

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 62-223155

(43)Date of publication of application : 01.10.1987

---

(51)Int.Cl. C07C 69/78  
C07C 69/773

---

(21)Application number : 61-066019 (71)Applicant : ASAHI CHEM IND CO LTD

(22)Date of filing : 26.03.1986 (72)Inventor : FUKUOKA SHINSUKE

---

## (54) PRODUCTION OF ARYL FLUORINE-SUBSTITUTED AROMATIC CARBOXYLATE

### (57)Abstract:

PURPOSE: To obtain the titled compound useful as an intermediate for medicines and agricultural chemicals in high selectivity and yield, by reacting a fluorine- substituted aromatic halide with CO and a hydroxyl compound in the presence of a Pd catalyst and base in the absence of a phosphine compound.

CONSTITUTION: A fluorine-substituted aromatic halide compound having fluorine atom and a halogen atom different from the halogen directly linked to the aromatic ring, preferably a benzene derivative, particularly p-fluorobromo- or p-fluoroiodobenzene is reacted with carbon monoxide and an aromatic hydroxy compound, preferably phenol or 2,6-dimethylphenol in the presence of a Pd catalyst and base in the absence of a phosphine compound at 100W350°C, preferably 180W300°C temperature under 1W500kg/cm<sup>2</sup>, preferably 5W300kg/cm<sup>2</sup> pressure to afford the aimed compound.

EFFECT: An intermediate for monomers giving heat-resistant polymers.

---

### LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's  
decision of rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]